What is claimed is:

1. An automotive passenger restraint and protection apparatus for an automotive vehicle, having a seatbelt, for restraining an occupant of the automotive vehicle by the seatbelt to protect the occupant, comprising:

danger degree determining means for determining a degree of danger of collision of the automotive vehicle;

danger predicting means for predicting a possibility of collision of the automotive vehicle, from the degree of danger determined by said danger degree determining means;

collision danger signal generating means for generating a collision danger signal when the possibility of collision is predicted by said danger predicting means;

driving means responsive to said collision danger signal, for carrying out alternate retraction and protraction of the seatbelt;

deceleration detecting means for detecting deceleration of the automotive vehicle; and

seatbelt driving control means for controlling said driving means so as to continue the alternate retraction and protraction of the seatbelt without stopping same after said collision danger signal ceases to be generated and until the deceleration of the automotive vehicle detected by said deceleration detecting means exceeds a predetermined value.

2. An automotive passenger restraint and protection apparatus for an automotive vehicle, having a seatbelt, for restraining an occupant of the automotive vehicle by the seatbelt to protect the occupant, comprising:

a motor for retracting and protracting the seatbelt;

seatbelt attaching state detecting means for detecting whether the seatbelt is in a state attached to the occupant or in a state disconnected from the occupant;

danger degree detecting means for detecting a significant

degree of danger of collision of the automotive vehicle; and

control means for controlling said motor so as to retract the seatbelt to a limit thereof and then protract the seatbelt to thereby give a predetermined amount of looseness to the seatbelt,

wherein said control means controls said motor so as to give a first predetermined amount of looseness to the seatbelt when the significant degree of danger is not detected by said danger degree detecting means while the seatbelt is detected to be in said state attached to the occupant, and controls said motor so as to give a second predetermined amount of looseness to the seatbelt which is smaller than said first predetermined amount of looseness when the significant degree of danger is detected by said danger degree detecting means while the seatbelt is detected to be in said state attached to the occupant.

3. An automotive passenger restraint and protection apparatus as claimed in claim 2, wherein said danger degree detecting means comprises at least one of vehicle speed detecting means for detecting traveling speed of the automotive vehicle, braking detecting means for detecting stepping-on of a brake pedal of the automotive vehicle, steering angle change rate detecting means for detecting a rate of change in a steering angle of the automotive vehicle, ambient illuminance detecting means for detecting ambient illuminance of the automotive vehicle, and raindrop detecting means for detecting raindrops on the automotive vehicle, said danger degree detecting means detecting the significant degree of danger if said vehicle speed detecting means detects that the traveling speed of the automotive vehicle is higher than a predetermined value and at the same time at least one of conditions is satisfied that the stepping-on of the brake pedal is detected by said braking detecting means, the steering angle change rate detecting means detects that the

rate of change of the steering angle exceeds a predetermined value, the ambient illuminance detecting means detects that the ambient illuminance of the automotive vehicle is below a predetermined value, and the raindrop detecting means detects the raindrops on the automotive vehicle.

4. An automotive passenger restraint and protection apparatus as claimed in claim 2, wherein said danger degree detecting means comprises vehicle speed detecting means for detecting traveling speed of the automotive vehicle, and braking detecting means for detecting a stepping-on force of a brake pedal of the automotive vehicle or stepping-on speed thereof, said control means controlling said motor such that rotational speed of said motor in retracting the seatbelt is higher as the stepping-on force or the stepping-on speed detected by said braking detecting means is larger, when the traveling speed of the automotive vehicle detected by said vehicle speed detecting means is higher than a predetermined value.

5. An automotive passenger restraint and protection apparatus as claimed in claim 2, wherein said danger degree detecting means comprises vehicle speed detecting means for detecting traveling speed of the automotive vehicle, and braking detecting means for detecting stepping-on of a brake pedal of the automotive vehicle, said control means controlling said motor such that rotational speed of said motor in retracting the seatbelt is higher as the traveling speed of the automotive vehicle detected by said vehicle speed detecting means is higher, when the detected traveling speed is higher than a predetermined value and at the same time the stepping-on of the brake pedal is detected by said braking detecting means.

6. An automotive passenger restraint and protection apparatus as claimed in claim 2, wherein said danger degree detecting means comprises vehicle speed detecting means for detecting traveling speed of the automotive vehicle, and steering angle change rate detecting means for detecting a rate of change in a steering angle of the automotive vehicle, said control means controlling said motor such that rotational speed of said motor in retracting the seatbelt is higher as the rate of change in the steering angle detected by said steering angle change rate detecting means is larger, when the traveling speed of the automotive vehicle detected by said vehicle speed detecting means is higher than a predetermined value.

7. An automotive passenger restraint and protection apparatus as claimed in claim 2, wherein said danger degree detecting means comprises vehicle speed detecting means for detecting traveling speed of the automotive vehicle, and steering angle change rate detecting means for detecting a rate of change in a steering angle of the automotive vehicle, said control means controlling said motor such that rotational speed of said motor in retracting the seatbelt is higher as the traveling speed of the automotive vehicle detected by said vehicle speed detecting means is higher, when the detected traveling speed is higher than a predetermined value and at the same time the rate of change in the steering angle detected by said steering angle change rate detecting means is larger than a predetermined value.

8. An automotive passenger restraint and protection apparatus as claimed in claim 2, wherein said danger degree detecting means comprises vehicle speed detecting means for detecting traveling speed of the automotive vehicle, and ambient illuminance detecting means for detecting ambient illuminance of the automotive vehicle, said control means

controlling said motor such that rotational speed of said motor in retracting the seatbelt is higher as the ambient illuminance detected by said ambient illuminance detecting means is smaller, when the traveling speed of the automotive vehicle detected by said vehicle speed detecting means is higher than a predetermined value.

9. An automotive passenger restraint and protection apparatus as claimed in claim 2, wherein said danger degree detecting means comprises vehicle speed detecting means for detecting traveling speed of the automotive vehicle, and ambient illuminance detecting means for detecting ambient illuminance of the automotive vehicle, said control means controlling said motor such that rotational speed of said motor in retracting the seatbelt is higher as the traveling speed of the automotive vehicle detected by said vehicle speed detecting means is higher, when the detected traveling speed is higher than a predetermined value and at the same time the ambient illuminance detected by said ambient illuminance detecting means is smaller than a predetermined value.

10. An automotive passenger restraint and protection apparatus as claimed in claim 2, wherein said danger degree detecting means comprises vehicle speed detecting means for detecting traveling speed of the automotive vehicle, and raindrop detecting means for detecting raindrop on the automotive vehicle, said control means controlling said motor such that rotational speed of said motor in retracting the seatbelt is higher as the traveling speed of the automotive vehicle detected by said vehicle speed detecting means is higher, when the detected traveling speed is higher than a predetermined value and at the same time the raindrops are detected by said raindrop detecting means.

11. An automotive passenger restraint and protection apparatus as claimed in claim 2, wherein said danger degree detecting means comprises vehicle speed detecting means for detecting traveling speed of the automotive vehicle, and braking detecting means for detecting a stepping-on force of a brake pedal of the automotive vehicle or stepping-on speed thereof, said control means controlling said motor such that an amount of protraction of the seatbelt is smaller as the stepping-on force or the stepping-on speed detected by said braking detecting means is larger, when the traveling speed of the automotive vehicle detected by said vehicle speed detecting means is higher than a predetermined value.

12. An automotive passenger restraint and protection apparatus as claimed in claim 2, wherein said danger degree detecting means comprises vehicle speed detecting means for detecting traveling speed of the automotive vehicle, and braking detecting means for detecting stepping-on of a brake pedal of the automotive vehicle, said control means controlling said motor such that an amount of protraction of the seatbelt is smaller as the traveling speed of the automotive vehicle detected by said vehicle speed detecting means is higher, when the detected traveling speed is higher than a predetermined value and at the same time the stepping-on of the brake pedal is detected by said braking detecting means.

13. An automotive passenger restraint and protection apparatus as claimed in claim 2, wherein said danger degree detecting means comprises vehicle speed detecting means for detecting traveling speed of the automotive vehicle, and steering angle change rate detecting means for detecting a rate of change in a steering angle of the automotive vehicle, said control means controlling said motor such that an amount of protraction of the seatbelt is smaller as the rate of

16. An automotive passenger restraint and protection apparatus as claimed in claim 2, wherein said danger degree detecting means comprises vehicle speed detecting means for detecting traveling speed of the automotive vehicle, and ambient illuminance detecting means for detecting ambient illuminance of the automotive vehicle, said control means controlling said motor such that an amount of protraction of the seatbelt is smaller as the traveling speed of the automotive vehicle detected by said vehicle speed detecting means is higher, when the detected traveling speed is higher than a predetermined value and at the same time the ambient illuminance detected by the ambient illuminance detecting means is smaller than a predetermined value.

17. An automotive passenger restraint and protection apparatus as claimed in claim 2, wherein said danger degree detecting means comprises vehicle speed detecting means for detecting traveling speed of the automotive vehicle, and raindrop detecting means for detecting raindrops on the automotive vehicle, said control means controlling said motor such that an amount of protraction of the seatbelt is smaller as the traveling speed of the automotive vehicle detected by said vehicle speed detecting means is higher, when the detected traveling speed is higher than a predetermined value and at the same time the raindrops are detected by said raindrop detecting means.

change in the steering angle detected by said steering angle change rate detecting means is larger, when the traveling speed of the automotive vehicle detected by said vehicle speed detecting means is higher than a predetermined value.

14. An automotive passenger restraint and protection apparatus as claimed in claim 2, wherein said danger degree detecting means comprises vehicle speed detecting means for detecting traveling speed of the automotive vehicle, and steering angle change rate detecting means for detecting a rate of change in a steering angle of the automotive vehicle, said control means controlling said motor such that an amount of protraction of the seatbelt is smaller as the traveling speed of the automotive vehicle detected by said vehicle speed detecting means is higher, when the detected traveling speed is higher than a predetermined value and at the same time the rate of change in the steering angle detected by said steering angle change rate detecting means is larger than a predetermined value.

15. An automotive passenger restraint and protection apparatus as claimed in claim 2, wherein said danger degree detecting means comprises vehicle speed detecting means for detecting traveling speed of the automotive vehicle, and ambient illuminance detecting means for detecting ambient illuminance of the automotive vehicle, said control means controlling said motor such that an amount of protraction of the seatbelt is smaller as the ambient illuminance detected by the ambient illuminance detecting means is smaller, when the traveling speed of the automotive vehicle detected by said vehicle speed detecting means is higher than a predetermined value.